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FORM PTO-1390  
(REV. 04/2006)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

1826.1170

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/581853**INTERNATIONAL APPLICATION NO.  
PCT/JP2004/004177INTERNATIONAL FILING DATE  
25 March 2004PRIORITY DATE CLAIMED  
25 March 2004

## TITLE OF INVENTION

POLARIZATION MODE DISPERSION COMPENSATOR AND POLARIZATION MODE DISPERSION

## APPLICANT(S) FOR DO/EO/US

Jens C. RASMUSSEN, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
  3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.
  4. ☒ The US has been elected (Article 31).
  5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    - a. ☒ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
    - d. ☐ have not been made and will not be made.
  8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
  9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
  11. ☐ For publication of assignee information under 37 CFR 1.215(b), list the assignee as FUJITSU LIMITED of Kawasaki, Japan. The Assignment papers will be filed later.
- Items 11 to 21 below concern document(s) or information included:**
12. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  13. ☒ An assignment document and separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included for recording to FUJITSU LIMITED of Kawasaki, Japan.
  14. ☐ A preliminary amendment.
  15. ☐ An Application Data Sheet under 37 CFR 1.76.
  16. ☐ A substitute specification.
  17. ☐ A power of attorney and/or change of address letter.
  18. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
  19. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
  20. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
  21. ☒ Other items or information: Copies of PCT/IB/308; PCT/IB/311; PCT/ISA/220; PCT/ISA/210; PCT/ISA/237 w/Suppl. Sheets; PCT/IB/301 w/Continuation Sheets; PCT/ISA/202; PCT/ISA/224, first page of WO 2005/093975

|   |              |  |            |                                       |                 |
|---|--------------|--|------------|---------------------------------------|-----------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.56)<br><b>10/581853</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/004177 |            | ATTORNEY'S DOCKET NUMBER<br>1826.1170 |                 |
| 22. <input checked="" type="checkbox"/> The following fees are submitted:   |              |  |            | APPLICANT USE                         | OFFICE USE ONLY |
| <input checked="" type="checkbox"/> a) Basic National Fee..... \$300.00   |              |  |            | \$300.00                              |                 |
| 23. <input checked="" type="checkbox"/> b) Examination Fee<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1) - (4) ..... \$0<br>All other situations ..... \$200.00   |              |  |            | \$200.00                              |                 |
| 24. <input checked="" type="checkbox"/> c) Search Fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1) - (4)..... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Authority ... \$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400<br>All other situations ..... \$500 |              |  |            | \$400.00                              |                 |
| <b>TOTAL OF ABOVE CALCULATIONS = \$</b>   |              |  |            | <b>\$900.00</b>                       |                 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each addition 50 sheets of paper or fraction thereof.  |              |  |            |                                       |                 |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof   | Rate       |                                       |                 |
| - 100 =   | /50=         |  | X 250.00   |                                       |                 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).  |              |  |            | \$                                    |                 |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA                                       | RATE       | \$                                    |                 |
| Total claims  | 40 - 20 =    | 20   | x \$50.00  | \$1000.00                             |                 |
| Independent claims  | 3 - 3 =      |  | x \$200.00 | \$                                    |                 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |  | + \$360.00 | \$360.00                              |                 |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  |            | <b>\$2,260.00</b>                     |                 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |            | \$                                    |                 |
| <b>SUBTOTAL =</b>   |              |  |            | <b>\$2,260.00</b>                     |                 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492)(i).   |              |  |            | \$                                    |                 |
| <b>TOTAL NATIONAL FEE =</b>   |              |  |            | <b>\$2,260.00</b>                     |                 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +  |              |  |            | \$40.00                               |                 |
| <b>TOTAL FEES ENCLOSED =</b>  |              |  |            | <b>\$2,300.00</b>                     |                 |
| Amount to be refunded:  |              |  |            |                                       | \$              |
| Amount to be charged:   |              |  |            |                                       | \$              |

10/581853

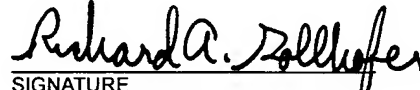
IAP2 Rec'd PCT/PTO 05 JUN 2006

- a. ☒ A check in the amount of \$2,300.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-3935. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Staas & Halsey LLP  
1201 New York Avenue, N.W., 7th Floor  
Washington, DC 20005



SIGNATURE

Richard A. Gollhofer

NAME

6/5/06

Date

31,106

REGISTRATION NUMBER

IAPI15 Rec'd PCT/PTO 05 JUN 2006

Please Date Stamp and return

NATIONAL PHASE APPLICATION TRANSMITTAL, DECLARATION/POWER OF ATTORNEY,  
ASSIGNMENT COVERSHEET WITH COPY OF ASSIGNMENT ATTACHED, INFORMATION  
DISCLOSURE STATEMENT w/5 REFERENCES, 3 ABSTRACTS, 9 SHEETS OF DRAWINGS (FIGS. 1-  
9), COPIES OF PCT/IB/308; PCT/IB/311; PCT/ISA/220; PCT/ISA/210; PCT/ISA/237 w/Suppl.  
Sheets; PCT/IB/301 w/Continuation Sheets; PCT/ISA/202; PCT/ISA/224; CHECK FOR \$2,300.00

Received check 800

only SP

APPLICANT(S): Jens C. RASMUSSEN et al.

SERIAL NO: 10/581853

Unassigned

CONFIRMATION NO. Unassigned

TITLE: POLARIZATION MODE DISPERSION COMPENSATOR AND POLARIZATION  
MODE DISPERSION COMPENSATING METHOD

FILING DATE: June 5, 2006

DOCKET NO: 1826.1170/RAG/bmf

DUE DATE: September 25, 2006